

Title (en)
VEHICLE ENGINE COOLANT PUMP HOUSING

Title (de)
GEHÄUSE FÜR DIE KÜHLFLÜSSIGKEITSPUMPE EINES FAHRZEUGES

Title (fr)
CARTER DE POMPE DE REFROIDISSEMENT DE MOTEUR D'AUTOMOBILE

Publication
EP 1133624 A4 20041208 (EN)

Application
EP 99959146 A 19991123

Priority
• AU 9901042 W 19991123
• AU PP724198 A 19981123

Abstract (en)
[origin: WO0031388A1] This application discloses a coolant system for a vehicle engine which may be retrofitted if desired, the coolant system including a coolant flow circuit (14) which in part includes passage means (15) through an engine block (10) of the vehicle engine and through a heat exchanger (12), the coolant system further including a coolant pump (22) which, when operated, causes coolant flow around the coolant flow circuit (14), the coolant pump (22) being driven by an electric motor (M) independently of the vehicle engine, the coolant system still further including a coolant temperature sensor (23) and controller means (C) whereby differing voltage levels are supplied to the motor (M) in response to differing coolant temperature levels being sensed by the coolant temperature sensor (23).

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CPC (source: EP KR US)
F01P 5/10 (2013.01 - EP KR US); **F01P 7/164** (2013.01 - EP US); **F01P 2005/105** (2013.01 - EP US); **F01P 2005/125** (2013.01 - EP US); **F01P 2025/32** (2013.01 - EP US)

Citation (search report)
• [XA] DE 19506935 C1 19960404 - DAIMLER BENZ AG [DE]
• [A] US 4691668 A 19870908 - WEST JOHN G W [GB]
• [A] US 4996952 A 19910305 - HALL JERRY W [US]
• See also references of WO 0031388A1

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CN111365112A

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WO 0031388 A1 20000602; AT E358767 T1 20070415; AU PP724198 A0 19981217; CA 2339640 A1 20000602; DE 69935732 D1 20070516; DE 69935732 T2 20071227; EP 1133624 A1 20010919; EP 1133624 A4 20041208; EP 1133624 B1 20070404; ES 2283141 T3 20071016; JP 2002530583 A 20020917; KR 20010073052 A 20010731; US 6425353 B1 20020730

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